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G4WPW Microphone Connections

For The Radio Amateur

'In compliance with the 'true spirit of amateur radio' this website information is available without restrictions to all Radio Amateurs' and radio communication enthusiasts worldwide.

IF YOU HAVE ANY MICROPHONE INFORMATION YOU WOULD LIKE TO ADD TO

HELP OTHER RADIO AMATEURS-PLEASE E-MAIL ME. rg4wpw@ntlworld.com

MY SINCERE THANKS GO TO THE RADIO AMATEURS WORLDWIDE WHO HAVE

CONTRIBUTED WITH THEIR FEEDBACK, INFORMATION AND CORRECTION'S.

PORTUGUESE TRANSLATION.

My sincere thanks to my friend Ubiracy PU1LHP for the above translation.

UK SITE. USA SITE.

PLEASE NOTE !

During the past eleven years many hours have been spent drawing diagrams producing photographs, compiling these lists and cross checking this information for error's. I accept no responsiblity for any error's or problems that may result from using this information I would appreciate your feedback if any error's or omissions are noted in the diagrams or listing.
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DOWNLOADING INFO

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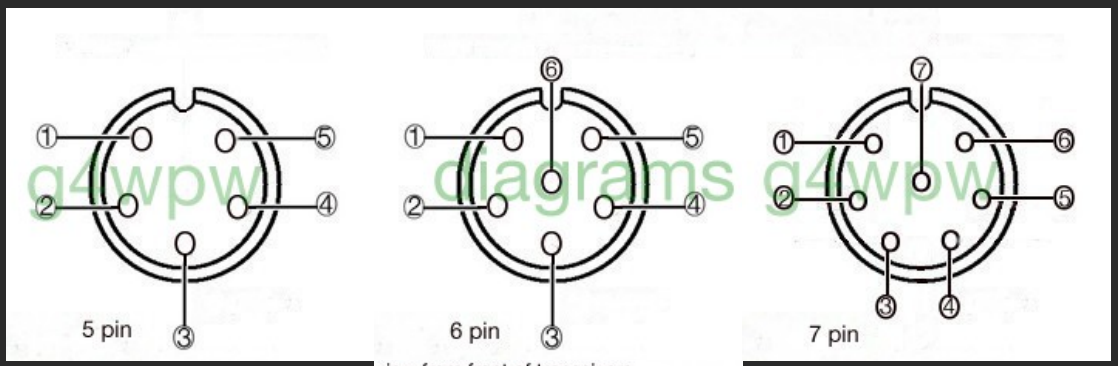
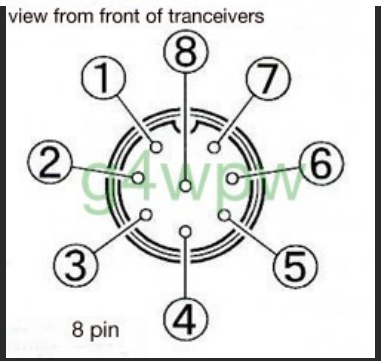
73 de

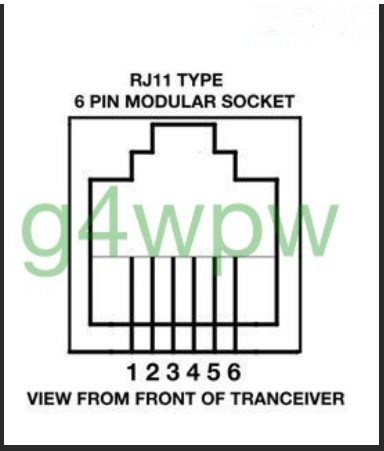
POPULAR MICROPHONE PLUG AND SOCKET PINOUTS.

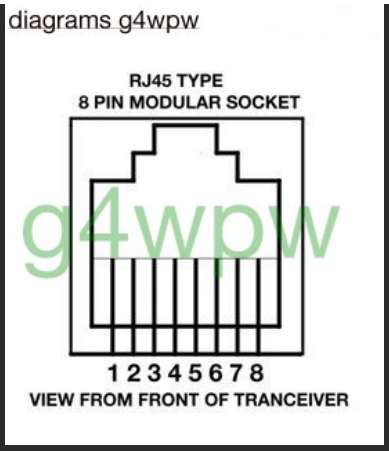
4 pin mic plug
photo g4wpw
5 pin mic plug
photo g4wpw
6 pin mic plug
photo g4wpw

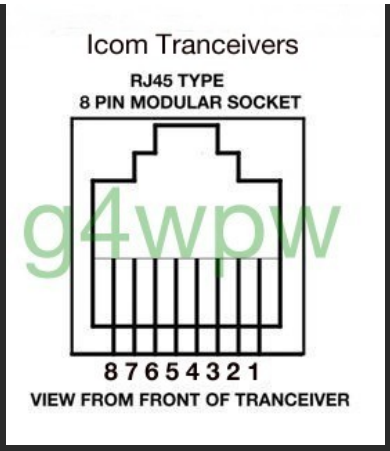
7 pin mic plug
photo g4wpw
8 pin plug
photo g4wpw


5 pin
6 pin
7 pin
g4wpw
diagrams g4wpw


view from front of tranceivers
8 pin
g4wpw







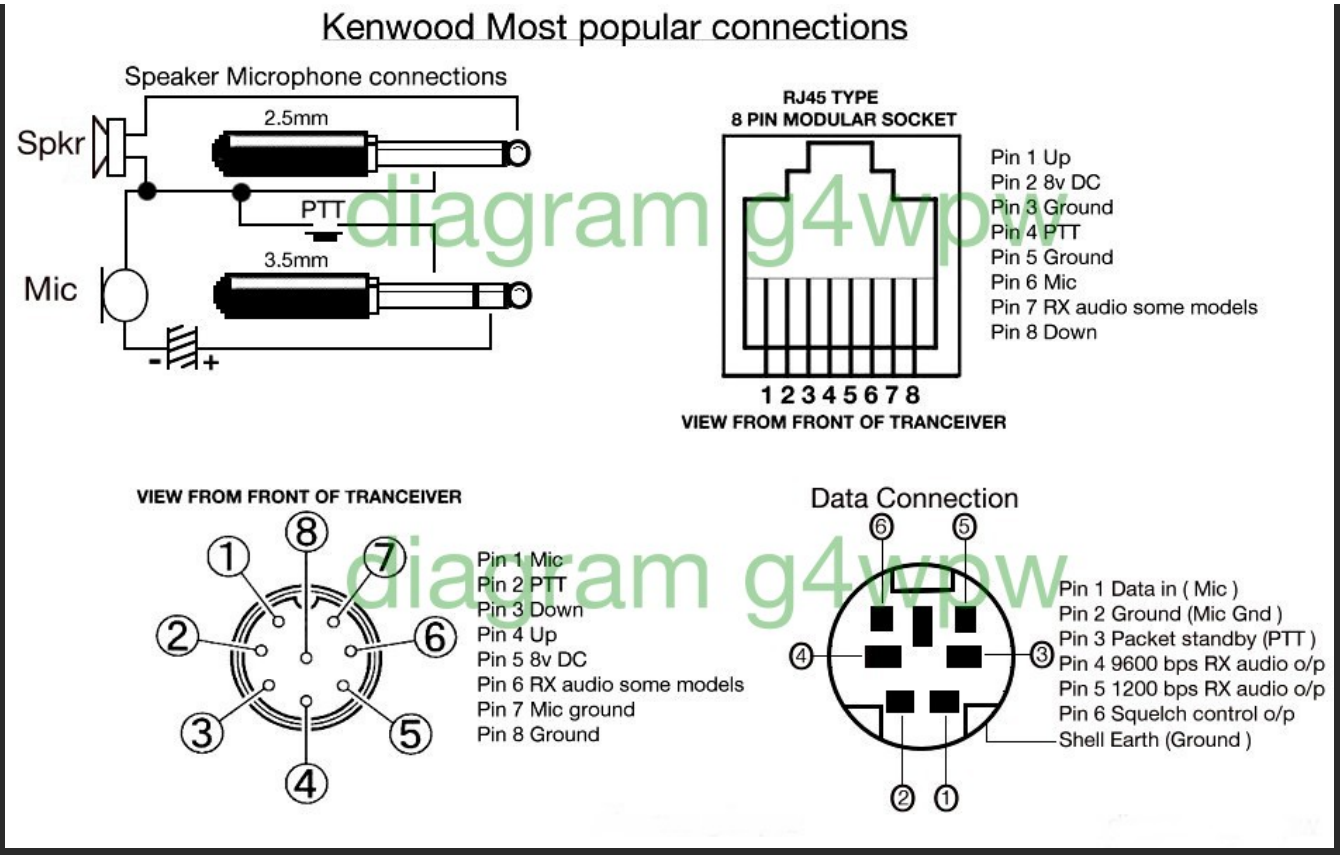
X=(cannon x) L=(Latch) R=(rubber compound)

SKIP TO

KENWOOD YAESU ICOM ALINCO ADONIS

OTHER MIC CONNECTIONS A-Z

TRIO/KENWOOD.



KENWOOD MICROPHONES.

KENWOOD- MC-10 MICROPHONE.
KENWOOD- MC-30 / 35 MICROPHONE.
KENWOOD- MC-42S MICROPHONE.
KENWOOD- MC-43 MICROPHONE.
KENWOOD- MC-44 MICROPHONE.
KENWOOD- MC-45 MICROPHONE (mk1).
KENWOOD- MC-45 MICROPHONE (mk2).
KENWOOD- MC-46 MICROPHONE.
KENWOOD- MC-47 MICROPHONE.
KENWOOD- MC-48B MICROPHONE.
KENWOOD- MC-50 MICROPHONE. pdf.
KENWOOD- MC-52DM MICROPHONE.
KENWOOD- MC-53DM MICROPHONE.
KENWOOD- MC-55 MICROPHONE.
KENWOOD- MC-57 MICROPHONE.
KENWOOD- MC-58 MICROPHONE.
KENWOOD- MC-59 MICROPHONE.
KENWOOD- MC-60 MICROPHONE.
KENWOOD- MC-60A MICROPHONE.
KENWOOD- MC-80 MICROPHONE.
KENWOOD- MC-85 MICROPHONE.
KENWOOD- MC-85 SCHEMATIC pdf.
KENWOOD- MC-90 MICROPHONE.
KENWOOD- SMC-25 SMC-30 SPEAKER/MIC.
KENWOOD- SMC-32 SPEAKER/MIC.
KENWOOD- SMC-33 SPEAKER/MIC.
KENWOOD- SMC-32 SMC-33 SMC-34 SCHEMATIC pdf.
KENWOOD- KMC-9C KMC-30 KMC-32 KMC-35 KMC-36 MICROPHONES.

MJ-88 CONNECTING CABLE.

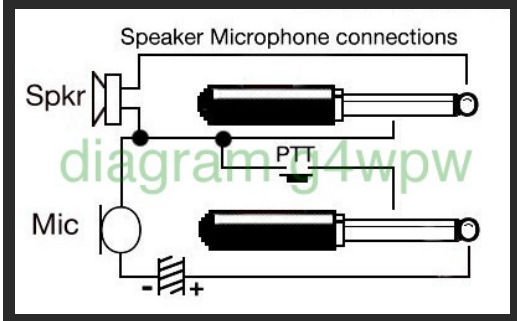
KENWOOD MICROPHONE COMPATIBILITY LIST pdf.

MORE KENWOOD CONNECTION INFO.pdf file

KENWOOD INSTRUCTION MANUAL & CONTROL SOFTWARE.

KENWOOD(Handheld Tranceiver's)-TH-22A/AE TH-28/AE TH-42A/AE TH-48/AE TH-78A/E TH-F6 TH-F7 TH-F7E THG-71 TH-D7A/E
TH-K2AT TH-K2E TH-K4E TH-K4AT TH-235 UBZ-LJ8BE UBZ-LJ8SLE UBZ-LJ8YE VBZ-LH14 VBZ-LF AR-14 GR-14
(see SMC-32 SMC-33 SMC-34 above for external microphone and PC interconnection)

KENWOOD(Handheld Tranceiver's)-TR-2500 TR-2600



(see SMC-25/SMC-30 above.)

KENWOOD-T599S-TS120S-120V-700G-700S-130S-130V-490-520S-530S-820S-830S-
TR2300-TR2200-TR2200GX-TR3200-TR7010-TR7200-TR7200G-TR7400A-TR7500-TR7600-TR7625

PIN1	MIC
PIN2	PTT
PIN3	PTT/EARTH
PIN4	SCREEN AND EARTH

---

7 PIN REMOTE PLUG/SOCKET.

KENWOOD-TS120-130-140-180-430-440-450-530-570-680-690-830-870-940-950.

PIN1	SPEAKER OUT
PIN2	RELAY COMMON GROUND/EARTH
PIN3	PTT FOR FOOT SWITCH
PIN4	RELAY CLOSED ON TRANSMIT
PIN5	RELAY OPEN ON TRANSMIT
PIN6	ALC INPUT
PIN7	+12VOLTS ON TRANSMIT (10 Ma Max)
PLUG	SHELL EARTH.

---

6 PIN ACC PLUG/SOCKET.

KENWOOD-TS-450-690-570-850-870-950.

PIN1	SIGNAL GROUND/EARTH
PIN2	TRANSMIT DATA
PIN3	RECEIVE DATA
PIN4	CTS ENABLE TX
PIN5	RTS ENABLE RX
PIN6	N/C
SHELL	EARTH

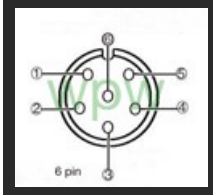
13 PIN ACC2 PLUG.

KENWOOD-TS440-450-680-690-570-711-790-811-850-870-940-950

PIN1	N/C
PIN2	N/C
PIN3	RX AUDIO OUT
PIN4	SCREEN FOR PIN3
PIN5	SQUELCH CONTROL OR N/C
PIN6	S/METER OUTPUT
PIN7	N/C
PIN8	CHASSIS/GROUND
PIN9	PTT- STANDARD MIC INPUT IS MUTED
PIN10	N/C
PIN11	MIC INPUT
PIN12	SCREEN FOR PIN 11
PIN13	PTT- STANDARD MIC INPUT IS ACTIVE
SHELL	EARTH

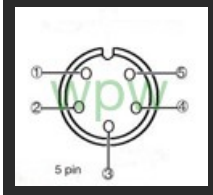
KENWOOD-TR9000-9030-9130-9300-9500-7700-7730-7750-7800-7850-7930-7950-8400

PIN1	MIC
PIN2	PTT
PIN3	DOWN
PIN6/CENTER	EARTH
PIN4	UP
PIN5	NC + 8VOLT SOME MODELS



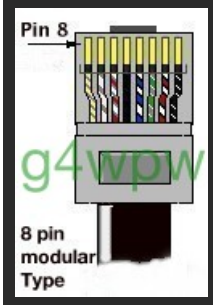
KENWOOD-TR7600-TR7625

PIN1	MIC
PIN2	PTT
PIN3	N/C
PIN4	CHASSIS/GROUND
PIN5	MIC SCREEN



KENWOOD-TS480 (8 Pin modular Plug)

PIN1	UP
PIN2	+8 VOLTS
PIN3	GND
PIN4	PTT
PIN5	MIC GND
PIN6	MIC
PIN7	N/C
PIN8	DOWN



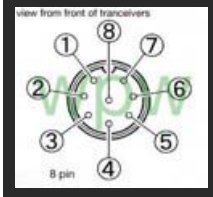
UPDATE.

Some errors in the TS-480 schematics leading to RF feedback when using other than the stock microphone have been noted by Kenwood.

MORE INFO TO FOLLOW.

KENWOOD-TS-50-60-140-430-440-450-570-660-670-780-930-430-670-711
TS-811-850-870-930-940-950-440-701-790-680-690-TS-2000
TR-3200-7900-7950-50-751-851
TM-201A-201B-401A-TM401B-211-221-231-241-321-331-3530-421-431-441-521-531-541
TM-621-631-701-721-731-2530-2550-2570
TW4000-4100

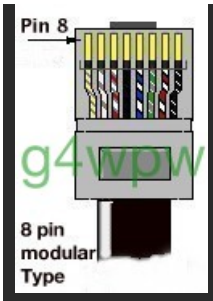
PIN1	MIC
PIN2	PTT
PIN3	DOWN
PIN4	UP
PIN5	+ 8VOLT Some models (10 Ma)
PIN6	(N/C Some models)
PIN7	MIC GROUND.
PIN8	GROUND (STBY)



KENWOOD-TM-251-255-261-271-271E-451-455-461-641-642-708-732-733-741-742-941-942 (8 Pin modular Plug)
TMG-707 TMD-700 TMD700A TMV-71A.TMV-71E-V7A.

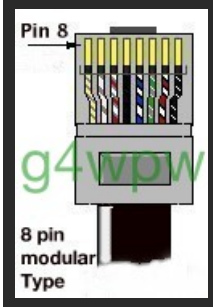
KENWOOD PMR TRANCEIVER MODELS-TK-90-7108HM-7108M-7160E-7160HM-7160M-7162E-7180E-7189E
8108HM-8108M-8160E-8160M-8162E-8180E-8189-TK90 (see KMC-30 /32 /35 above)

PIN1	UP
PIN2	+8 VOLTS (100ma max)
PIN3	GND
PIN4	PTT
PIN5	MIC GND
PIN6	MIC
PIN7	N/C. RX AUDIO (some models)
PIN8	DOWN



KENWOOD-TM-271A (8 Pin modular Plug)

```
PIN1        N/C
PIN2        +8 VOLTS (100ma max)
PIN3        GND
PIN4        PTT
PIN5        MIC GND
PIN6        MIC (600 ohm impedance)
PIN7        N/C
PIN8        KEYPAD SERIAL DATA.
```



YAESU.

Further to a telephone call and query to 'YAESU UK' Technical Department today. 18th-APRIL-08.

PLEASE NOTE:

It is understood from Yaesu that in some cases an alternative cable source was used during the mic manufacturing process and that microphones of Identical type and model number MAY NOT always have the same color coded connecting cable.

YAESU MICROPHONES.

YAESU- YM-21. Microphone.
YAESU- YM-22. Microphone.
YAESU- YM-34. Microphone
YAESU- YM-35. Microphone
YAESU- YM-36. Microphone
YAESU- YM-37. Microphone
YAESU- YM-38. Microphone
YAESU- YM-40. Microphone
YAESU- YM-47. Microphone.
YEASU- YM-48. Microphone.
YAESU- YM-49. Microphone.
YEASU- YM-50. Microphone.
YEASU- YM-86. Microphone.
YAESU- YM-846. Microphone.

YAESU- YM-2500. Microphone.
YAESU- YD-148. Microphone.
YAESU- YD-844. Microphone.
YAESU- YE-7A. Microphone.
YAESU- MD-1B8. Microphone.
YAESU- MD-1C8. Microphone.
YAESU- MH-1A3B. Microphone.
YAESU- MH-1B8. Microphone.
YAESU- MH-10E8 MH-10F8. Microphone.
YAESU- MH-12A2B. Microphone.
YAESU- MH-14A8. Microphone.
YAESU- MH-14B8. Microphone.
YAESU- MH-14D8. Microphone.
YAESU- MH-15C8. Microphone.
YAESU- MH-15D8. Microphone.
YAESU- MH-18A2B. Microphone.
YAESU- MH-19A2B. Microphone.
YAESU- MH-25A8J. Microphone.
YAESU- MH-26. Microphone.
YAESU- MH-26G8J.Microphone.
YAESU- MH-27. Microphone.
YAESU- MH-27A8J.Microphone.
YAESU- MH-29A2B. Microphone.
YAESU- MH-31. Microphone.
YAESU- MH-31B8. Microphone.
YAESU- MH-31A8J. Microphone.
YAESU- MH-32A2B. Microphone.
YAESU- MH-34 / MH-34B4. Microphone.
YAESU- MH-34C2B. Microphone.
YAESU- MH-36. Microphone.
YAESU- MH-36A6J DTMF Microphone.
YAESU- MH-36B6JS Microphone.
YAESU- MH-36D8 Microphone.
YAESU- MH-36E8J DTMF Microphone.
YAESU- MH-37A4B Microphone.
YAESU- MH-42. Microphone.
YAESU- MH-42A6J Microphone.
YAESU- MH-42B6JS Microphone.
YAESU- MH-42B6J Microphone schematic.pdf
YAESU- MH-44A4B Microphone.
YAESU- MH-48. Microphone.
YAESU- MH-48A6J. Microphone.
YAESU- MH-57A4B.Microphone.
YAESU- MH-59A8J.Microphone.
YAESU- MH-61A8J.Microphone.
YAESU- MH-64A8J.Microphone.
YAESU- MH-67A8J.Microphone.
YAESU- MH-68A8J.Microphone.
YAESU- MH-700D. Microphone.
YAESU- MD-11A8J. Microphone.
YAESU- MD-100. Microphone.
YAESU- MD-100A8X. Microphone.
YAESU- MD-100/100AX schematic.pdf
YAESU- MD-200. Microphone.
YAESU- MD-200A8X. Microphone.
YAESU- MD-200.Instruction Manual.pdf

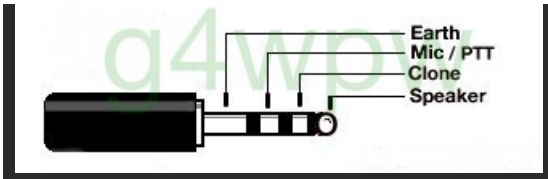
YAESU MICROPHONE COMPATIBILITY LIST.

YAESU STANDARD MICROPHONE LIST.

MORE YAESU MICROPHONE INFO.

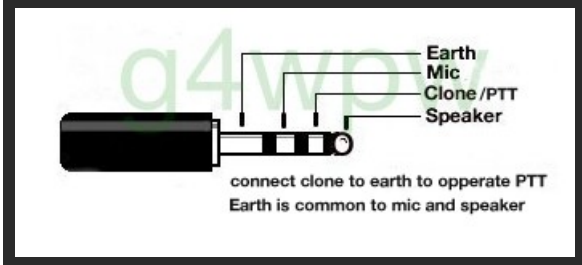
YAESU TNC INFORMATION.

YAESU (Handheld Tranceiver's) VX-1R VXF-1 VX-2R VX-2E VX-3R VX-5R VX-7R VX-10 VXF-10 VX-110 VX-130 VX-131 VX-132 VX-150 VX-160 VX-180 VX-210 VX-210A VX-300 VX-400 VX-410 VX-420



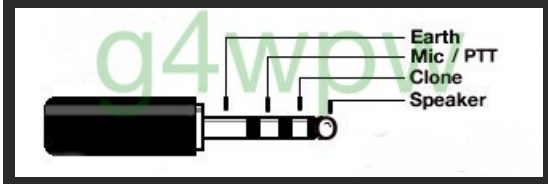
(see MH-34 / MH-34B4 / MH-57A4B ABOVE)

YAESU (Airband Tranceiver's) VXA-100 VXA-150 VXA-210



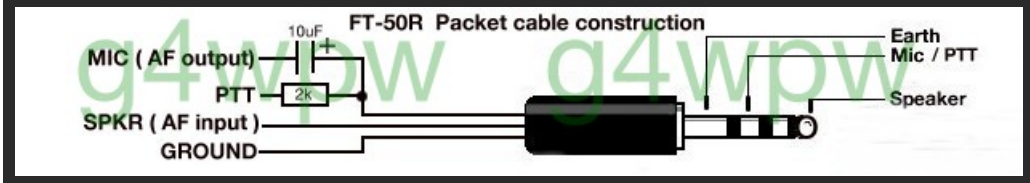
(see MH-44A4B ABOVE)

YAESU (Handheld Tranceiver's) FT-10R FT-40R FT-50R FT-60R



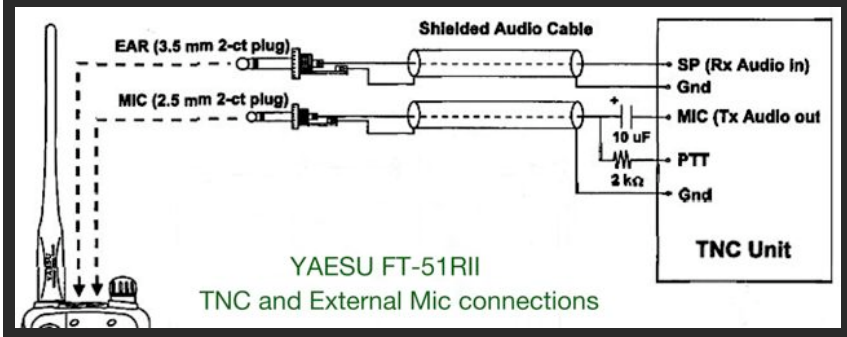
(see MH-37A4B ABOVE)

YAESU FT-50R FT-60R

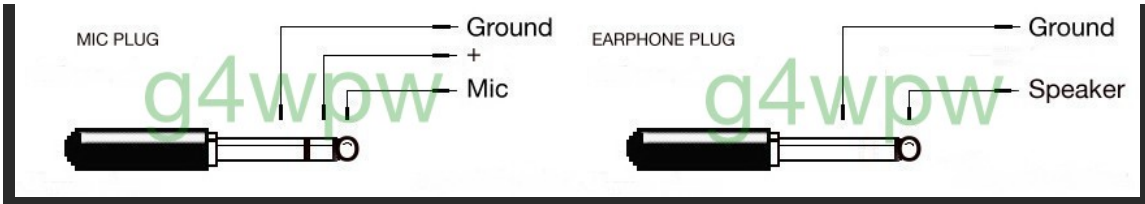


YAESU (Handheld Tranceiver's) FT-51R (see MH-32A2B / MH-34C2)

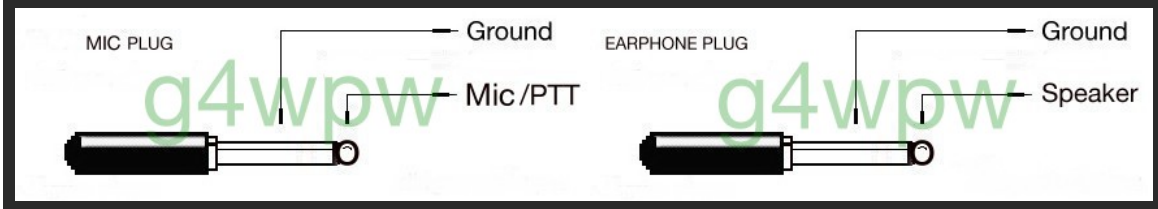
YAESU (Handheld Tranceiver's) FT-51RII



YAESU (Handheld Tranceiver's) FT-470 FT-411 FT-811 FT-911 (see MH-32A2B / MH-34C2)

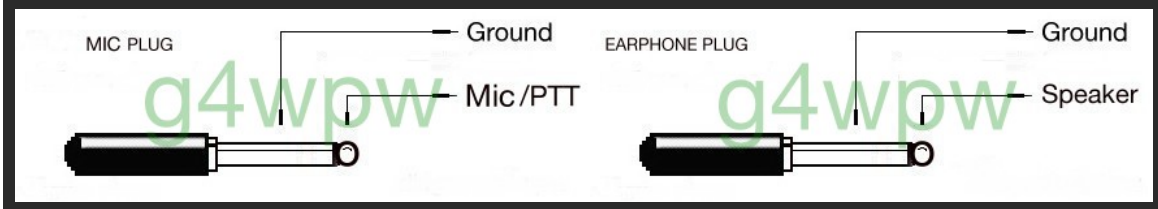


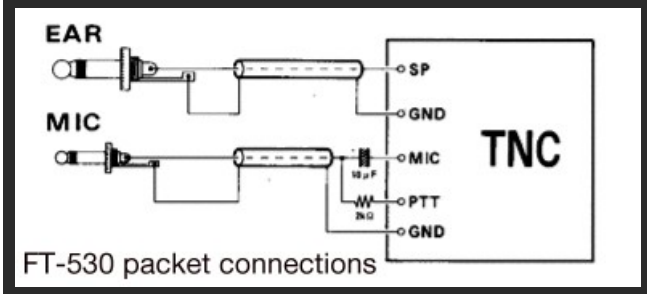
YAESU (Handheld Tranceiver's) FT-23 FT-73 FT-23RII FT-73RII (see MH-32A2B / MH-34C2)



CLONE INFO. pdf

YAESU (Handheld Tranceiver's) FT-530 (see MH-12A2B / MH-18A2B)

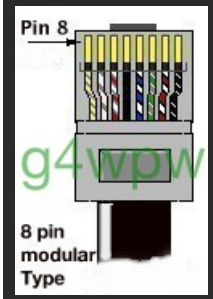




YAESU POLICE AND PUBLIC SAFETY CHANNELISED TRANCEIVERS
VX-2000 VX-2500 VX-3000 VX-3200 VX-4100 VX-4100E VX-4200 VX-4200E VXR-1000 VXR-7000

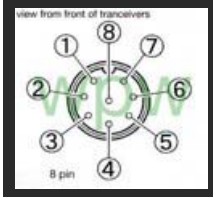
(See MH-25A8J / MD-11A8J microphones above)

PIN1	FAST
PIN2	GROUND
PIN3	PTT
PIN4	MIC
PIN5	MIC EARTH
PIN6	+ 5VOLTS
PIN7	UP
PIN8	DOWN



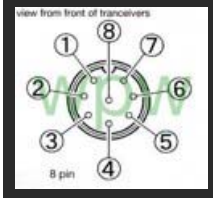
YAESU-FT736-FT747GX-FT757GX-FT650-FT655-FT840-FT890-FT920-FT990-FT990D-FT847
FT1000-FT1000D-FT1000MP + MKV -FT2000

```
PIN1        MIC UP
PIN2        EARTH ( + 5VOLTS FT847-FT920-FT1000MP-FT2000 )
PIN3        DOWN
PIN4        FAST SCAN
PIN5        EARTH
PIN6        PTT
PIN7        SCREEN/EARTH
PIN8        MIC
```



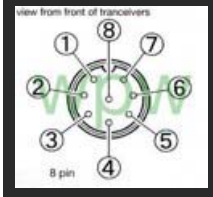
YAESUFTONE-FT77-FT102-FT707-FT767-FT767GX-FT980

```
PIN1        MIC UP
PIN2        + 5 VOLTS
PIN3        DOWN
PIN4        FAST SCAN
PIN5        CAUTION INTERCONNECTED TO PIN 2.( +5 VOLTS )
PIN6        PTT
PIN7        SCREEN/EARTH
PIN8        MIC
```



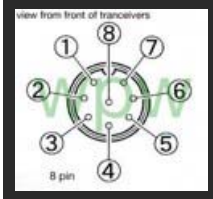
YAESU FT480R-FT780R (see YM-40 above)

```
PIN1 green      MIC UP
PIN2 yellow     EARTH / COMMON U/DOWN.
PIN3 blue       DOWN
PIN4 brown      TONE CALL / LOCK
PIN5 orange     EARTH TONE CALL / LOCK
PIN6 red        PTT
PIN7 black      SCREEN/EARTH
PIN8 white      MIC
```



YAESU-FT726 (see MD1-B8 MH1-B8 Microphone above)

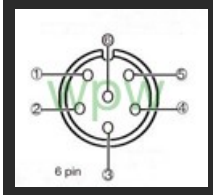
```
PIN1        UP
PIN2        COMMON UP/DOWN
PIN3        DOWN
PIN4        FAST SCAN
PIN5        EARTH
PIN6        PTT
PIN7        SCREEN/EARTH
PIN8        MIC
```



YAESU CPU2500R-CPU2500RK SOMMERKAMP FT227
(see YM-2500 Microphone above)

```
PIN1        UP
PIN2        COMMON UP/DOWN
PIN3        DOWN
PIN4        PTT
PIN5        GROUND MIC/PTT
PIN6        MIC
```

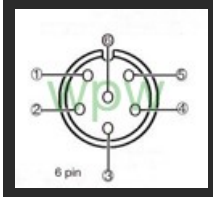
click for schematic



YAESU FT-620B
(see YM-86 Microphone above)

```
PIN1        N/C
PIN2        N/C
PIN3        SCREEN
PIN4        PTT GROUND
PIN5        PTT
PIN6        MIC
```

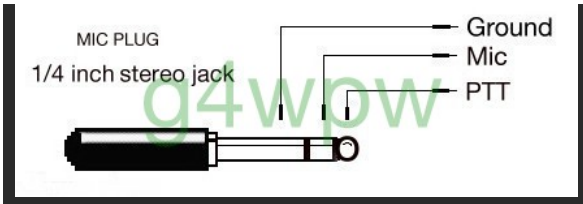
click for schematic



YAESU FT75-FT221R-FT223-FT101B-FT101E-FT101Z-FT101ZD-FT301D-FT902-FT902DM. (see YD148/YD844 microphone above.)

```
PIN1        MIC SCREEN/EARTH ( PTT EARTH ON FT101B/101E.FT101Z/101ZD.FT902/902DM.)
PIN2        MIC
PIN3        PTT
PIN4        EARTH ON FT221R.( N/C ON FT101Z/101ZD.FT101B/101E.FT902/902DM. )
```

YAESU FTDX-100 FTDX-400 FTDX-401 FTDX-560 FT-200 FT-250(See YD-148 microphone above.)

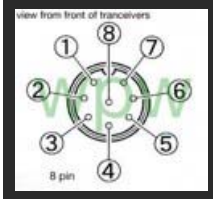


YAESU FT201-FT125C-FTC212-FT2B-FT300C-FT224-FT225RD-FT2FB-FT223-FT220-FTC212-FT300C FT301. FT7-FT227R-FT227RA-FT227RX-FT250-FT401B-FT501-FT625-FL101.

(See YD-148 and YM-22 microphones above.)

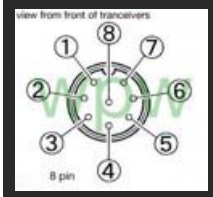
YAESU-FT950

```
PIN1        MIC UP
PIN2        + 5 VOLTS
PIN3        DOWN
PIN4        FAST SCAN
PIN5        GROUND
PIN6        PTT
PIN7        SCREEN/EARTH
PIN8        MIC
```



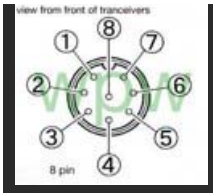
YAESU FT840-FT990.

```
PIN1        UP
PIN2        GROUND
PIN3        DOWN
PIN4        FAST
PIN5        GROUND (INTERCONNECTED ON TRANCEIVER TO PIN 2. )
PIN6        PTT
PIN7        MIC GROUND/SCREEN
PIN8        MIC
```



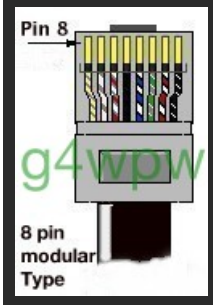
YAESU FT2200.

```
PIN1        UP
PIN2        + 5 VOLTS
PIN3        DOWN
PIN4        SPEAKER.
PIN5        ACC.
PIN6        PTT
PIN7        MIC GROUND/SCREEN
PIN8        MIC
```



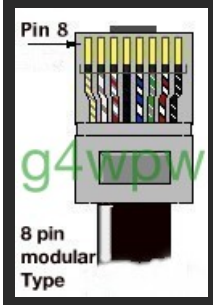
YAESU FT2500M.
8 Pin Modular plug.(see MH-26G8J MH-27G8J)

PIN1	CALL BUTTON.
PIN2	RX AUDIO.
PIN3	PTT.
PIN4	MIC.
PIN5	GROUND.
PIN6	+ 5 VOLTS
PIN7	UP.
PIN8	DOWN.



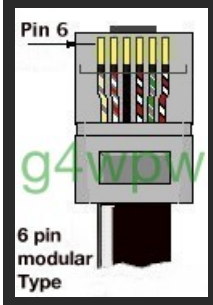
YAESU FT2400H.

PIN1	CALL BUTTON.
PIN2	RX AUDIO.
PIN3	PTT.
PIN4	MIC.
PIN5	GROUND.
PIN6	+ 5 VOLTS
PIN7	UP.
PIN8	DOWN.



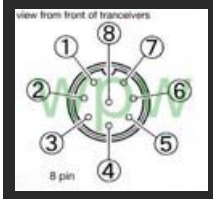
YAESU-FT-2600(6 Pin modular Plug)(See MH-42 and MH-36 microphone above)

PIN1	SW2
PIN2	CLONE
PIN3	+ 9VOLT
PIN4	GROUND
PIN5	MIC
PIN6	MULTI SWITCHING SW1



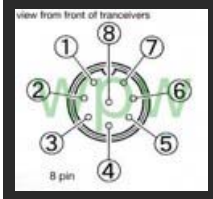
YAESU FT5100.

PIN1	UP.
PIN2	+ 5 VOLTS.
PIN3	DOWN.
PIN4	SPEAKER.
PIN5	BAND.
PIN6	PTT.
PIN7	EARTH.
PIN8	MIC.



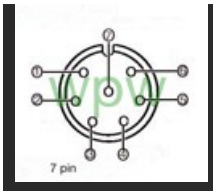
YAESU FT211-FT212R FT212RH-FT270-FT211RH-FT711-FT712-FT770-FT2311-FT2700-FT4700RH-FT711RH-FT770RH
(see microphones MH-15D8/ MH-15C8/ MH-14A8/ MH-14B8/ MH-14D8 above)

PIN1	UP
PIN2	+5 VOLT
PIN3	DOWN
PIN4	SPEAKER
PIN5	CPU/ TONE SW
PIN6	PTT
PIN7	GROUND
PIN8	MIC



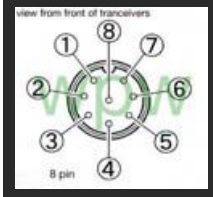
YAESU FT230R-FT290R-FT690 FT730-FT790R

PIN1	MIC SCREEN/EARTH
PIN2	MIC
PIN3	PTT
PIN4	+ 12VOLT (+ 5 VOLTS FT730-FT290R)
PIN5	SPEAKER
PIN6	UP
PIN7	DOWN



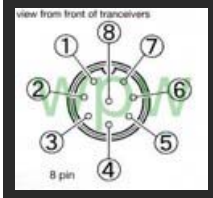
YAESU FT290RII-FT690RII-FT790RII (see MH-10E8 /MH-10F8 above)

PIN1	UP
PIN2	+ 5 VOLTS
PIN3	DOWN
PIN4	SPEAKER
PIN5	N/C
PIN6	PTT
PIN7	GROUND
PIN8	MIC



YAESUFT215-FT715-FT3700-FT3800-FT3900-FT4600-FT4800-FT4900-FT5800

PIN1	UP
PIN2	+ 5 VOLTS
PIN3	DOWN
PIN4	N/C
PIN5	RECALL
PIN6	RESET
PIN7	GROUND
PIN8	MIC



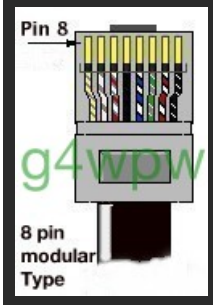
YAESU FT708R-FT208R HAND HELD.
(mini) 6 PIN

PIN1	MIC (white)
PIN2	SPEAKER (black)
PIN3	PTT (red)
PIN4	MIC SCREEN
PIN5	NC
PIN6	SPEAKER (blue)

YAESU-FT897-FT857-FT817-FT900-FT-450 (8 pin Modular Plug)

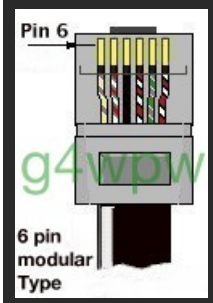
PIN1	FAST SCAN
PIN2	GROUND
PIN3	PTT
PIN4	MIC
PIN5	MIC GROUND

PIN6 + 5VOLT
PIN7 UP
PIN8 DOWN



YAESU-FT1500-FT1802E-FT2800-FT7800M-FT8800E-FT8900R (6 Pin modular Plug)(See MH-48 microphone above)

PIN1 SW2
PIN2 SW1
PIN3 + 8VOLT
PIN4 GROUND
PIN5 MIC
PIN6 PTT (clone FT1802E)



YAESU-FTM-10R/E (WITH BUILT IN MICROPHONE AND BLUE TOOTH.)

NEEDS MEK-M10 ADAPTER TO USE THE FOLLOWING EXTERNAL MICROPHONES

MH-68 A6J WATERPROOF MIC

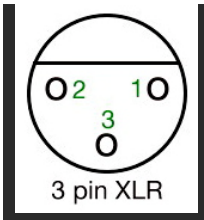
MH-68 B6J WATERPROOF MIC

MEK-M10 ADAPTER CONNECTIONS.pdf

YAESU-FTDX9000D (3 pin XLR Plug front panel) PLUS (8 pin Plug rear panel.)

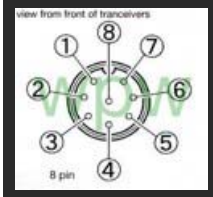
(XLR PLUG FRONT PANEL.)

PIN1 MIC GRND.
PIN2 MIC HOT.
PIN3 MIC COLD.



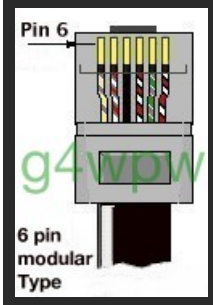
(8 PIN PLUG REAR PANEL.)

PIN1	UP.
PIN2	+5 VOLTS.
PIN3	DOWN.
PIN4	FAST SCAN.
PIN5	GROUND.
PIN6	PTT.
PIN7	MIC GROUND.
PIN8	MIC.

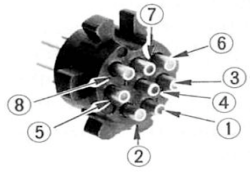
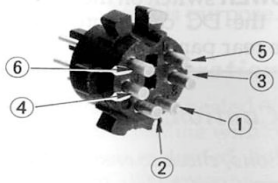
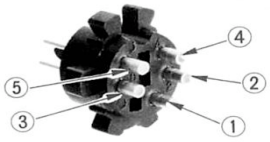
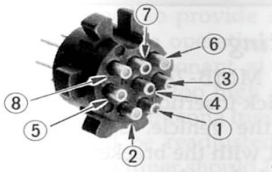


YAESU-FT100-FT90-FT8100 (6 pin Modular Plug) (SEE MH-36 microphone above.)

PIN1	Multi-function switching for P,P1,P2 SW2.
PIN2	N.C. 9600bps packet data out FT-90
PIN3	+ 9VOLT
PIN4	EARTH
PIN5	MIC.
PIN6	SW1.PTT,UP,DOWN,Acc



Connector Pinouts

BAND DATA	CAT
 1. +13.5 V 2. TX GND 3. GND 4. BAND DATA A 5. BAND DATA B 6. BAND DATA C 7. BAND DATA D 8. LINEAR	 1. GND 2. SERIAL OUT 3. SERIAL IN 4. PTT 5. S/PO 6. NC
TUNER 1 (used w / FC-800)	**TUNER 2 (used w / FC-10)**
 1. GND 2.+13.5V 3. DATA 4. GND 5. GNDED BY FC-800	 1. +13.5V 2. TX GND 3. GND 4. DATA IN 5. DATA OUT 6. TUNER SENSE 7. RESET 8. TX INH

Yaesu "cat"pinout connections.

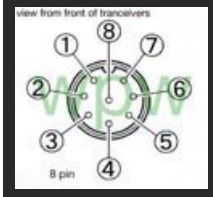
MORE YAESU INFORMATION

(click for) -YAESU FT-100 SERIES CONNECTION DIAGRAMS.
(click for) -YAESU FT-600 SERIES CONNECTION DIAGRAMS.
(click for) -YAESU FT-707 SERIES CONNECTION DIAGRAMS.
(click for) -YAESU FT-726 SERIES CONNECTION DIAGRAMS.
(click for) -YAESU FT-736 SERIES CONNECTION DIAGRAMS.
(click for) -YAESU FT-747 SERIES CONNECTION DIAGRAMS.
(click for) -YAESU FT-757 SERIES CONNECTION DIAGRAMS.
(click for) -YAESU FT-767 SERIES CONNECTION DIAGRAMS.
(click for) -YAESU FT-817 SERIES CONNECTION DIAGRAMS.
(click for) -YAESU FT-847 SERIES CONNECTION DIAGRAMS.
(click for) -YAESU FT-897 SERIES CONNECTION DIAGRAMS.
(click for) -YAESU FT-920 SERIES CONNECTION DIAGRAMS.
(click for) -YAESU FT-980 SERIES CONNECTION DIAGRAMS.
(click for) -YAESU FT-990 SERIES CONNECTION DIAGRAMS.
(click for) -YAESU FTM-10 SERIES CONNECTION DIAGRAMS.pdf
(click for) -YAESU FT-1000MP SERIES CONNECTION DIAGRAMS.
(click for) -YAESU FT-2000 SERIES CONNECTION DIAGRAMS.pdf
(click for) -YAESU FT-7100 SERIES CONNECTION DIAGRAMS.
(click for) -YAESU FT-8900 SERIES CONNECTION DIAGRAMS.pdf
(click for)-YAESU FTDX-9000D SERIES CONNECTION DIAGRAMS.

ICOM.

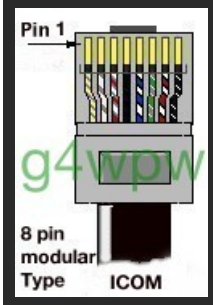
ICOM-IC7400-IC746-IC746PRO-IC756PRO-IC7700-IC7800 (see HM-36 below)

```
PIN1      MIC + DC VOLTS FOR ICOM ONLY MICROPHONE
PIN2      + 8VOLTS 10Ma TO AVOID DAMAGING THE REGULATOR DO NOT SHORT TO GROUND
PIN3      UP/DOWN
PIN4      SQUELCH
PIN5      PTT
PIN6      GROUND
PIN7      MIC SCREEN/EARTH
PIN8      AUDIO OUT
```



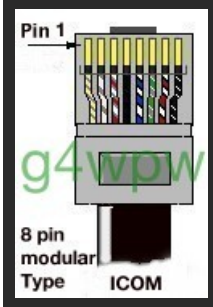
ICOM-IC703-IC706MK1-IC706MK2-IC706MK3-IC2000-IC2000H (8 Pin Modular Plug)

```
PIN1        + 8VOLT
PIN2        UP/DOWN
PIN3        AUDIO OUT
PIN4        PTT
PIN5        MIC GROUND
PIN6        MIC
PIN7        GROUND/EARTH
PIN8        SQUELCH
```



ICOM-ICE-208-IC2100H-IC2200H-IC2725E-IC2820-(See HM-133 below) (8 Pin Modular Plug)

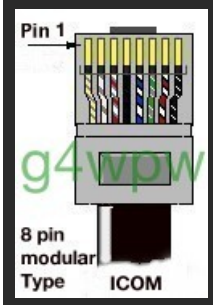
```
PIN1        + 8VOLT OUTPUT ( 10 ma max )
PIN2        UP/DOWN
PIN3        + 8VOLTS IN ( No connection IC2100H )
PIN4        PTT
PIN5        MIC GROUND
PIN6        MIC
PIN7        GROUND/EARTH
PIN8        DATA IN ( No connection IC2100H )
```



ICOM-IC-7000 (8 Pin Modular Plug)

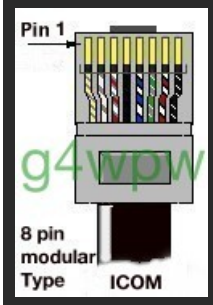
IMPORTANT! SEE HM-151 MICROPHONE INFO BELOW.

```
PIN1        + 8VOLT OUTPUT ( 10 ma max )
PIN2        UP/DOWN
PIN3        + 8VOLTS SW
PIN4        PTT
PIN5        MIC GROUND
PIN6        MIC
PIN7        GROUND/EARTH
PIN8        DATA IN
```



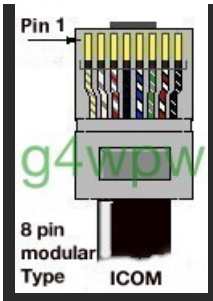
ICOM-IC-2800 (8 Pin Modular Plug) SEE HM-98 MICROPHONE BELOW.


```
PIN1        + 8VOLT OUTPUT ( 10 ma max )
PIN2        UP/DOWN
PIN3        + 8VOLTS SW
PIN4        PTT
PIN5        MIC GROUND
PIN6        MIC
PIN7        GROUND/EARTH
PIN8        DATA IN
```

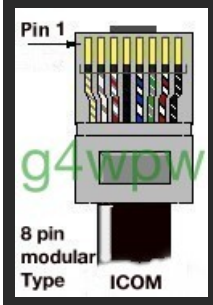
ICOM-IC-2800 (8 Pin Modular Plug) SEE HM-98 MICROPHONE BELOW.

```
PIN1        + 8VOLT OUTPUT ( 10 ma max )
PIN2        UP/DOWN
PIN3        + 8VOLTS SW
PIN4        PTT
PIN5        MIC GROUND
PIN6        MIC
PIN7        GROUND/EARTH
PIN8        DATA IN
```



ICOM LAND MOBILE(8 Pin Modular Plug) SEE SM-25 SM-100/T MICROPHONES BELOW.
F320-F420-F1020-F2020-F121-F221-F521-F620-F621/TR-F1721D-F182D-F272D
F282D-FR3000-FR4000-FR5000-FR5100-FR6100.

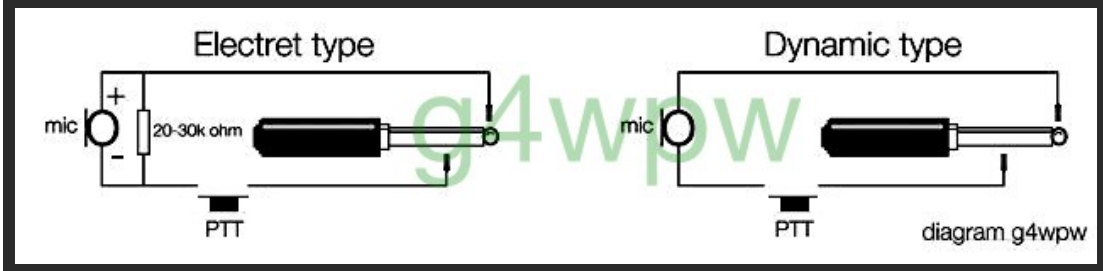
```
PIN1        + 8 VOLTS
PIN2        UP/DOWN.
PIN3        AF OUTPUT.
PIN4        PTT.
PIN5        MIC GROUND.
PIN6        MIC AUDIO.
PIN7        GROUND/EARTH.
PIN8        SQUELCH ( SOME MODELS )
```



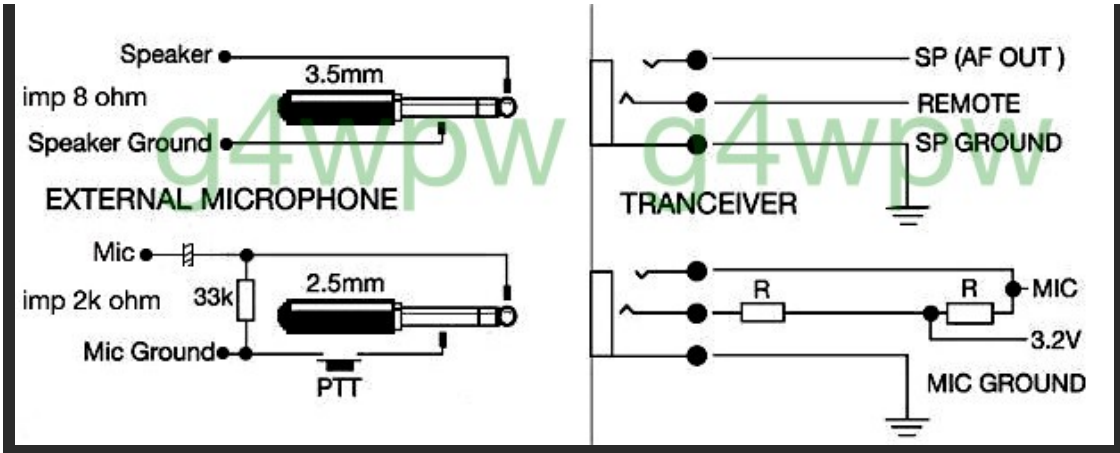
ICOM HAND HELD- ICE90- IC91A/E- ICE7- ICT2A/E/H-ICT3H ICT7A/E/H- ICT21A/E -ICT22 -ICT41E- ICT81A/E-
ICV8- ICV21AT- ICV82
ICV82- ICT90- ICF3

(SEE HM-46 HM75A HM-131 BELOW)

ICOM HAND HELD- IC4A/AT/E-IC3A/AT-IC12A/AT/E-IC80AD



ICOM HAND HELD- ICT8A- ICT8E



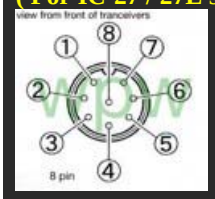
ICOM-IC-211 IC-701

```
PIN1      MIC
PIN2      PTT
PIN3      N/C
PIN4      GROUND.
```

ICOM IC-120-271A-271E-275-290-228-229-229H-22U-25-25E-27-27E-28-29E-255-260-290-2400-2500-3200-3210-3220
IC-37A-38A-375-45-47-77-78-451-471A-475-48-490-505-551-560-575-707-718-720-725-726-728-729-730-735-736-737/A-738
IC-740-745-746-751/A-756/PRO-761-765-775-781-820H-821-821H-900-901-901H-910X-970-1200-1201-1271-1275

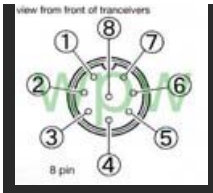
```
PIN1      MIC (yellow)
PIN2      REPEATER TONE (+ 8/9 volts some models)
PIN3      UP/DOWN
PIN4      N/C (squelch some models )
PIN5      PTT(red)
PIN6      EARTH (black)
PIN7      MIC SCREEN
PIN8      N/C (green)(external speaker some models )
```

(For IC-27 / 27E see IC-HM24 below) (IC-22U see IC-HM8 below)



ICOM-IC24G-IC251E-IC451E. (See SM-5 plus IC-HM7 hand mic & SM-5 desc mic.)

```
PIN1      MIC ( white. connection at + 9VOLTS  above earth )
PIN2      NC
PIN3      NC
PIN4      NC
PIN5      PTT ( red )
PIN6      PTT ( black )
PIN7      MIC SCREEN
PIN8      NC
```



ICOM MICROPHONES.

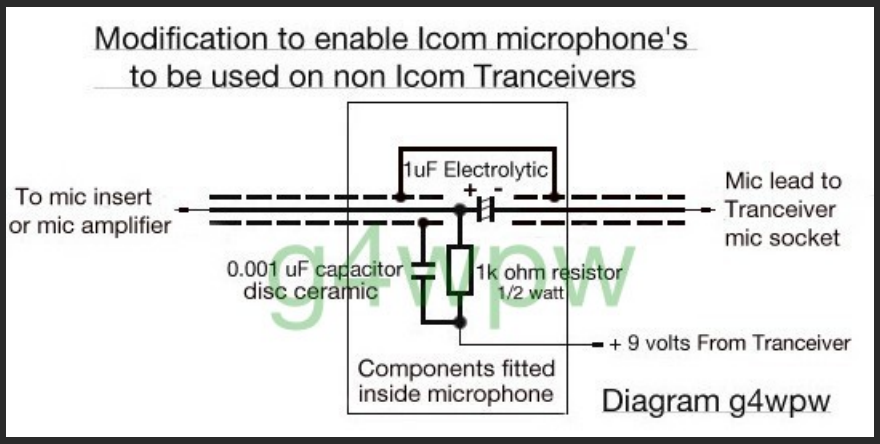
ICOM- SM2 MIC CONNECTIONS.
ICOM- SM5 MIC CONNECTIONS.
ICOM- SM6 MIC CONNECTIONS.
ICOM- SM8 MIC CONNECTIONS.
ICOM- SM10 MIC CONNECTIONS.
ICOM- SM20 MIC CONNECTIONS.
MORE- SM20 MIC INFORMATION.
ICOM- SM25 MIC CONNECTIONS.
ICOM- IC-HM5 MIC CONNECTIONS.
ICOM- IC-HM7 HAND MIC CONNECTIONS.
ICOM- IC-HM8 HAND MIC CONNECTIONS.
ICOM- IC-HM10 MIC CONNECTIONS.
ICOM- IC-HM11 MIC CONNECTIONS.
ICOM- IC-HM12 MIC CONNECTIONS.
ICOM- HM12 MIC CONNECTIONS.
MORE- IC-HM12 MIC INFORMATION.
ICOM- IC-HM14 MIC CONNECTIONS.
ICOM- IC-HM15 MIC CONNECTIONS.
ICOM- HM-22 MIC CONNECTIONS.
ICOM- HM-23 MIC CONNECTIONS.
ICOM- HM-24 MIC CONNECTIONS.
ICOM- HM-36 MIC CONNECTIONS.
ICOM- HM-46 MIC CONNECTIONS.
ICOM- HM-54 MIC CONNECTIONS.
ICOM- HM-56/56A MIC CONNECTIONS.
ICOM- HM-75A MIC CONNECTIONS.
ICOM- HM77-HM78-HM79-HM95-HM97 MIC CONNECTIONS.
ICOM- HM-90 WIRELESS MIC CONNECTIONS.
ICOM- HM-95 MIC CONNECTIONS.
ICOM- HM-96 MIC CONNECTIONS.
ICOM- HM-97 MIC CONNECTIONS.
ICOM- HM-98S MIC CONNECTIONS.
ICOM- HM-100 HM-100T MIC CONNECTIONS.
ICOM- HM-103 MIC CONNECTIONS.
ICOM- HM-113-113V MIC CONNECTIONS.
ICOM- HM-128L MIC CONNECTIONS.
ICOM- HM-118-118TN MIC CONNECTIONS.
ICOM- HM-131 MIC CONNECTIONS.
ICOM-HM-148/G MIC CONNECTIONS.
ICOM- HM-133 MIC CONNECTIONS.
ICOM- HM-151 MIC CONNECTIONS (IC-7000).
ICOM- HM-152 MIC CONNECTIONS.
ICOM- HM-153L MIC CONNECTIONS.
ICOM- HM-154 / HM-154T MIC CONNECTIONS.
CONVERTING THE ICOM- HM-154 / HM-154T MIC FROM RJ-45 TO 8 PIN CONNECTIONS.
ICOM- HM-158L MIC CONNECTIONS.
ICOM- HM-166L MIC CONNECTIONS.
IC-821H- ACC SOCKET CONNECTIONS.

click for MORE ICOM INFORMATION.
click for ICOM MICROPHONE COMPATIBILITY LIST 2009
click for ICOM CONNECTING CABLE REFERENCE LIST.
click to download FREE ICOM MANUALS.

CAUTION !

IF YOU WISH TO USE THE FOLLOWING ICOM MICROPHONE'S (model's below) ON

TRANCEIVERS OTHER THAN ICOM, CHECK THIS link INFORMATION ALSO

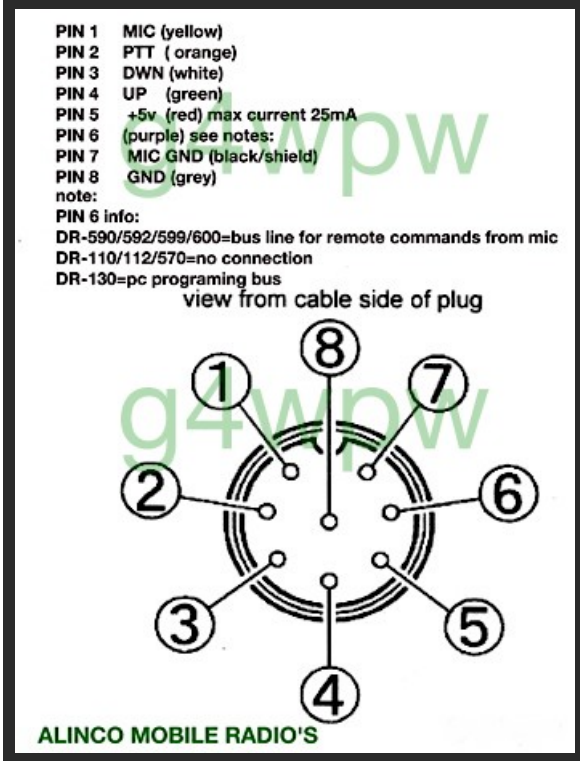


MICROPHONE MODEL'S

IC-SM8 IC-SM6 IC-HM7 IC-HM11 IC-HM12 IC-HM14 IC-HM15 IC-HM22 IC-HM24 IC-HM36

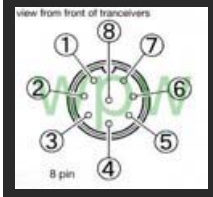
ALINCO.

Click here to Download ALINCO Instruction/Service manuals FREE.



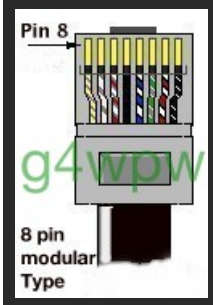
ALINCO DX70-DX70T-DX77-DX701-DX707-DR110-DR112-DR119-DR135-DR-330 DR435-DR150E-DR150TE-DR235-DR-410-DR430-DR435-DR510-DR570
-DR590-DR592T-DR599T-DR600T-DR610-DR620-DR635-DR1200-DRM03-DRM06-ALR22H-ALD24T-ALR22T-ALR72T-

PIN1 MIC
PIN2 PTT
PIN3 DOWN
PIN4 UP
PIN5 + 5VOLT (Max current 25Ma)(+ 8VOLT ALR-22/24)
PIN6 AUDIO OUT (remote DR150TE-DR590-DR592-DR599-DR600) SEE ABOVE DIAGRAM REFERENCE.
PIN7 MIC SCREEN/EARTH
PIN8 EARTH



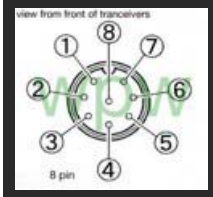
ALINCO DR140-DR605 (Modular Plug)

PIN1 UP.
PIN2 GROUND.
PIN3 MIC.
PIN4 MIC GROUND.
PIN5 PTT.
PIN6 N/C.
PIN7 DOWN.
PIN8 + 5 VOLTS.



ALINCO 22T/E.24E/T

PIN1 MIC
PIN2 PTT
PIN3 DOWN
PIN4 UP
PIN5 + 8VOLT
PIN6 N/C
PIN7 MIC EARTH
PIN8 GROUND



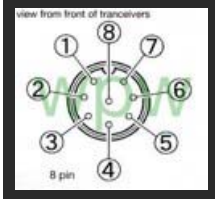
ALINCO EMS-14. - ADONIS AM-508E. -WATSON AM308 MICROPHONE COLOR CODING.

YELLOW MIC
SCREEN EARTH (ground)
GREY PTT (+ VOLTAGE FEED ON ADONIS D80)
BLUE PTT EARTH ON WATSON 308.
PURPLE PTT EARTH (ground)
GREEN MIC UP
ORANGE COMMON (connect to ground)
WHITE MIC DOWN (+ VOLTS WATSON AM-308)
BLACK MIC DOWN ON WATSON AM-308

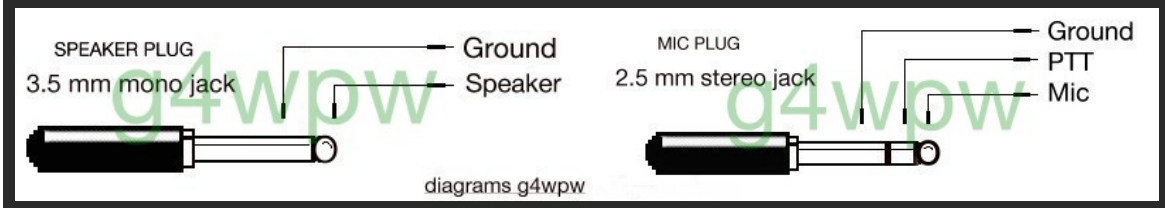
RED + VOLTS FEED(PTT ON ADONIS D80 AND WATSON AM-308)

ALINCO DMR610 DR-135 DR-435.

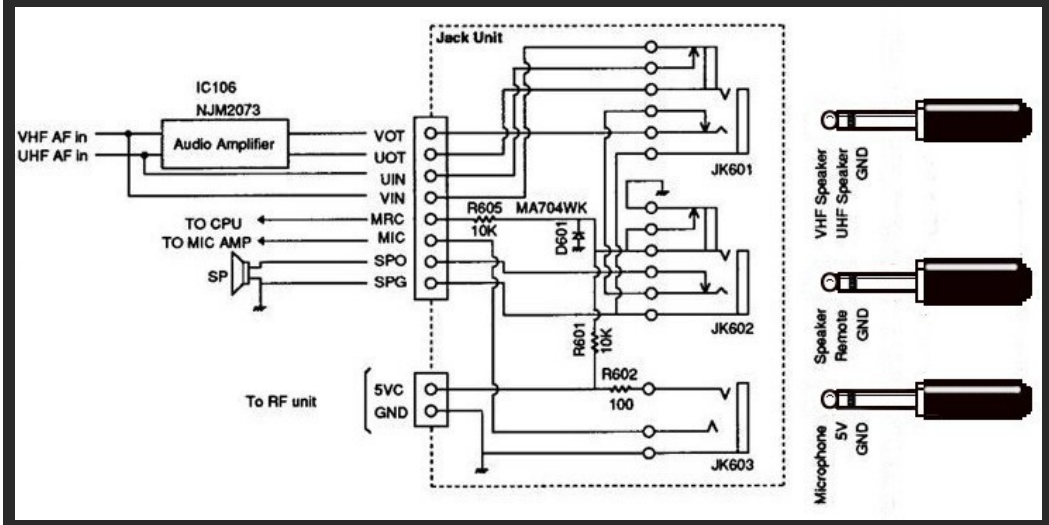
PIN 1 MIC
PIN 2 PTT
PIN 3 DOWN
PIN 4 UP
PIN 5 +5 VOLTS
PIN 6 REMOTE CONTROL
PIN 7 SCREEN EARTH (ground)
PIN 8 GND



ALINCO. DJ-S11 DJ-41 DJ-180 DJ-190 DJ-191 DJ-491G DJ-G1 DJ-G5



ALINCO. DJ-560 DJ-580



ALINCO HANDHELD. DJ-V17 DJ-V17E DJ-V17T DJ-V17TFH DJ-47E DJ-47T DJ-47T1 DJ-47T2

click for schematic

ALINCO MICROPHONES

EMS-5A MIC CONNECTIONS.
EMS-14 MIC CONNECTIONS.
EMS-42.MIC CONNECTIONS.
EMS-45.MIC CONNECTIONS.
EMS-46.MIC CONNECTIONS.
EMS-47.MIC CONNECTIONS.
EMS-51.MIC CONNECTIONS.
EMS-52.MIC CONNECTIONS.
EMS-53.MIC CONNECTIONS.
EMS-52 / 53.MIC SCHEMATICS.
EMS-54.MIC CONNECTIONS.
EMS-55.MIC CONNECTIONS.
EMS-54 / 55.MIC SCHEMATICS.
EMS-56.MIC CONNECTIONS.
EMS-56.MIC SCHEMATIC.
EMS-57.MIC CONNECTIONS.
EMS-57.MIC SCHEMATIC.

ADONIS.

ADONIS- AM-DX1 MICROPHONE INSTRUCTIONS AND SCHEMATIC.pdf
ADONIS- AM-308 MICROPHONE INSTRUCTIONS AND SCHEMATIC.pdf
ADONIS- AM-503G MICROPHONE INSTRUCTIONS AND SCHEMATIC.pdf
ADONIS- AM-508e MICROPHONE INSTRUCTIONS AND SCHEMATIC.pdf
ADONIS- AM-708 MICROPHONE INSTRUCTIONS AND SCHEMATIC.pdf
ADONIS- AM-7500e MICROPHONE INSTRUCTIONS AND SCHEMATIC.pdf
ADONIS- AM-308 / AM-508 / AM-608 / AM-708 / AM-7500E MICROPHONE PHOTO'S
ADONIS- FX-6 MICROPHONE INSTRUCTIONS AND SCHEMATIC.pdf
ADONIS- WX-2400 MICROPHONE INSTRUCTIONS AND SCHEMATIC.pdf
ADONIS- BOOM1 MICROPHONE CONNECTIONS.pdf

ADONIS MICROPHONE INTERCONNECTING CABLE INFO.

INFO TO CONNECT ADONIS AM-DX1 AM-308 AM-508 AM-708 AM-7500e TO YAESU FT-847 FT-920 FT-1000MP.

ADONIS MICROPHONE CONVERTION LEADS FOR AM-708 ABOVE.

ADONIS LEAD NUMBER D-88K AS-327 (Connections for Kenwood configuration)

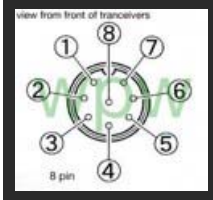
```
SILVER PLUG END (tranceiver).     ORANGE PLUG END ( connected to microphone).

PIN 1  YELLOW.     connected to   PIN 2.YELLOW.(mic)

PIN 2  RED.             ..        PIN 3.RED.(ptt)

PIN 3  WHITE.           ..        PIN 6.WHITE.(down)

PIN 4  GREEN.           ..        PIN 5.GREEN.(up)

PIN 5  GREY.            ..        PIN 8.GREY.(+volts DC feed)

PIN 6  N/C.             ..        PIN 4.PURPLE.(ptt ground)

PIN 7  SCREEN.          ..        PIN 1.SCREEN.(mic ground)

PIN 8  ORANGE+PURPLE.   ..        PIN 7.ORANGE.(up/down common ground)
```

ADONIS LEAD NUMBER D-80K AS-340
This is sold as a spare lead with only orange (mic end) plug fitted.

ORANGE PLUG END (connected to microphone).

PIN 2.YELLOW.(mic)
PIN 3.RED.(ptt)
PIN 6.WHITE.(down)
PIN 5.GREEN.(up)
PIN 8.GREY.(+volts DC feed)
PIN 4.PURPLE.(ptt ground)
PIN 1.SCREEN.(mic ground)
PIN 7.ORANGE.(up/down common ground)

COLOURS AND CONNECTIONS ON THE ORANGE (mic) PLUG ENDS OF LEADS ARE IDENTICAL.



STANDARD ADONIS MICROPHONE COLOR CODING

YELLOW. (mic)

RED. (ptt)

WHITE. (down)

GREEN. (up)

GREY. (+volts DC feed)

PURPLE. (ptt ground)

SCREEN. (mic ground)

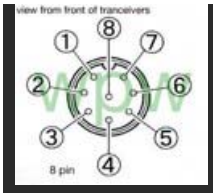
ORANGE. (up/down common ground)

ADI.

ADI. AR-146 AR-147 AR-247 AR-446 AR-447

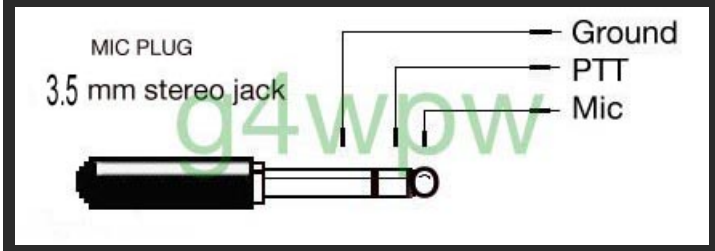
8 PIN ROUND PLUG.

PIN 1 MIC.
PIN 2 PTT.
PIN 3 DOWN.
PIN 4 UP.
PIN 5 + 8VOLTS (max 150 Ma).
PIN 6 RX AUDIO OUT.
PIN 7 MIC SCREEN.
PIN 8 GROUND.



AEA.

AEA. DX-HANDY 6M,DX-HANDY 10M



ALBRECT.

AE485 MIC SCHEMATIC.

AE497 MIC SCHEMATIC.

AE560 MIC SCHEMATIC.

AKD/GAREX.

AKD/GAREX. 2001-4001-6001-7003

4 PIN PLUG.

```
PIN 1     MIC.
PIN 2     COMMON EARTH.
PIN 3     AUDIO OUTPUT.
PIN 4     PTT.
```

ASTATIC.

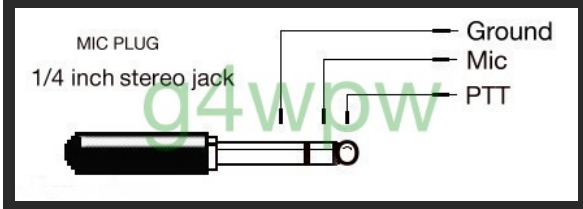
ASTATIC 531 schematic.

ASTATIC D104 schematic.

ASTATIC MICROPHONE WIRING REFERENCE pdf

ATLAS.

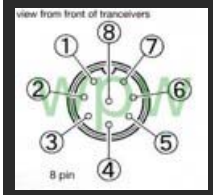
ATLAS TRANCEIVERS MODELS.-TX110-180-210-215-350XL.
ATLAS-VX5 VOX UNIT.



AZDEN.

PCS-5000-6000-7000-7200-7300-7600-7800-9600

```
PIN 1     MIC.
PIN 2     MIC GROUND.
PIN 3     TONE BURST (connect to pin 6)
PIN 4     DOWN.
PIN 5     UP.
PIN 6     COMMON GROUND.
PIN 7     PTT.
PIN 8     +13.8 VOLTS
```



AZDEN-PCM-463 MICROPHONE INFO.

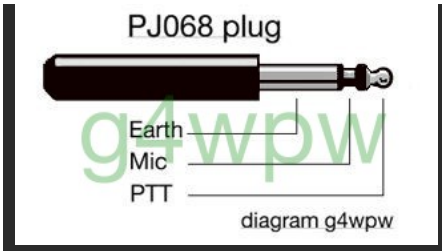
CES MICROPHONES.

CES-600L MICROPHONE.pdf

CES-805 MICROPHONE.pdf

COLLINS.

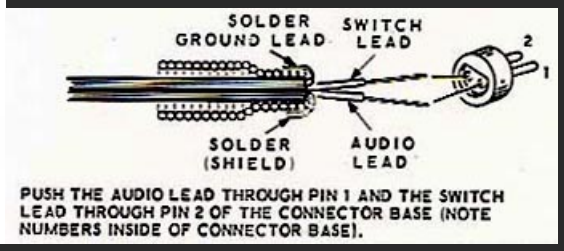
KMW-1 KWM-2 KWM-2A KWM-380 KWM-390, 312B-4, 312B-5, (S-LINE) 32S-1.



COLLINS SM1/SM3 MICROPHONE INFO.

COLLINS 32V KW-1 KWS-1

PIN 1 MIC AUDIO.
PIN 2 PTT.
CASE COMMON GROUND/EARTH


SOLDER GROUND LEAD
SWITCH LEAD
2
1
SOLDER (SHIELD)
AUDIO LEAD
PUSH THE AUDIO LEAD THROUGH PIN 1 AND THE SWITCH LEAD THROUGH PIN 2 OF THE CONNECTOR BASE (NOTE NUMBERS INSIDE OF CONNECTOR BASE).

COLLINS 32RA.

PIN 1 COMMON GROUND/EARTH.
PIN 2 PTT.
PIN 3 MIC AUDIO.

DRAKE.

DRAKE. TR-5 TR-7 TR-7A

4 PIN PLUG.

```
PIN 1     MIC.
PIN 2     PTT.
PIN 3/4   EARTH/GROUND.
```

DRAKE. **TR-22**

3 PIN LOCKING RING TYPE PLUG.

```
PIN 1     MIC.
PIN 2     PTT.
PIN 3     EARTH.
```

DRAKE. **TR-72**

4 PIN PLUG.

```
PIN 1     MIC.
PIN 2     PTT.
PIN 3/4   EARTH/GROUND.
```

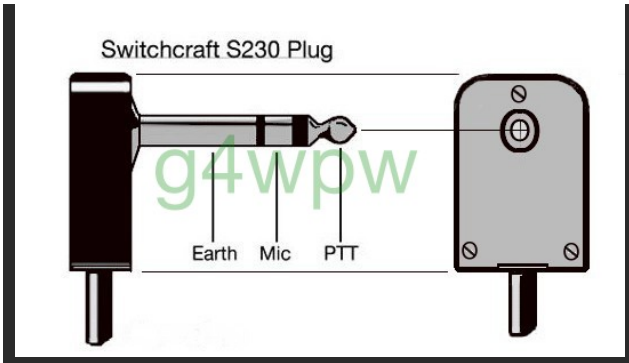
DRAKE. **TR-270**

4 PIN PLUG.

```
PIN 1     MIC.
PIN 2     PTT.
PIN 3     COMMON EARTH.
PIN 4     + 10 VOLTS
```

DRAKE. **TR-3 T4 TR-4 TR-4B TR-4XB TR-4XC TR-4C T-4XC T-4XB TR-6**

(S230 Mic Plug.)



ELECRAFT.

K3

```
PIN 1     MIC.
PIN 2     PTT.
PIN 3     DOWN
PIN 4     UP.
PIN 5     FUNCTION.
PIN 6     8 VOLTS.
PIN 7     GROUND.
PIN 8     GROUND.
```

FDK.

FDK. MULTI-11 MULTI-UII MULTI-II MULTI-700E MULTI-700EX MULTI-800 MULTI-2000 MULTI-2700

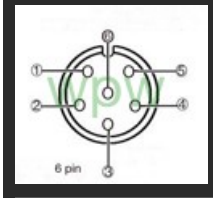
4 PIN ROUND PLUG.

```
PIN 1/4   GROUND / MIC SREEN
PIN 2     PTT.
PIN 3     MIC.
```

FDK. MULTI-750A MULTI-750E MULTI-725

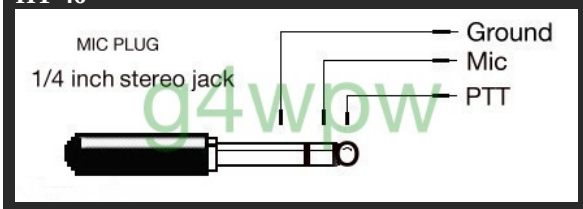
6 PIN ROUND PLUG.

```
PIN 1     MIC
PIN 2     PTT.
PIN 3     UP.
PIN 4     + 5V
PIN 5     GROUND.
PIN 6     DOWN.
```

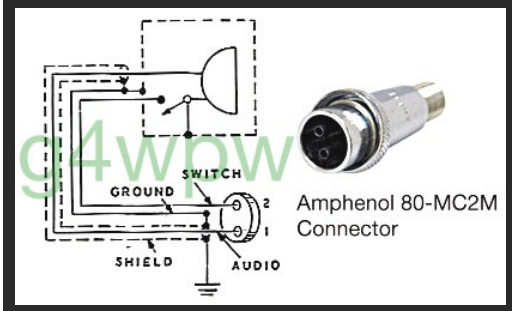


HALLICRAFTER.

HT-46



HALLICRAFTER. HT-32 HT-36 HT-44 SR-42 SR-42A SR-46 SR-150 SR-160 SR-400 SR-400A SR-500 SR-540 SR-2000



HALLICRAFTER. HT-40 HT-37

HEATHKIT.

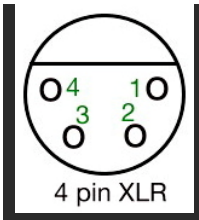
Heathkit- SB-100 / SB-104 mic Connection

Heathkit- HW-12 / HW-22 mic Connection

Heathkit- HW-17 mic Connection

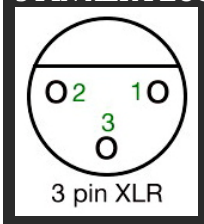
HEIL.

HM-10 DUAL, GM-4,GM-5,GMV. HANDIMIC-HM-4, HM-5, HM-iC, HM-PRO. CLASSIC.
4 PIN XLR PLUG.



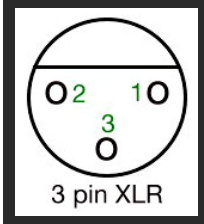

```
PIN 1    GROUND/SHIELD.
PIN 2    MIC.
PIN 3/4  PTT.
```

PRO-20, PRO-30, PR0-40, CLASSIC PRO, HERITAGE.
3 PIN XLR PLUG.



UNBALANCED OUTPUT.

```
PIN 1    SHIELD.
PIN 2    + MIC.
PIN 3    - MIC.( connected to pin 1 )
```



BALANCED OUTPUT.

```
PIN 1    SHIELD.
PIN 2    + MIC OUTPUT
PIN 3    - MIC GROUND
```

HEIL TRAVELER HEADSET

```
PIN 1    MIC.
PIN 2    +8 VOLTS.
PIN 3    U/DOWN.
PIN 4    SQUELCH.
PIN 5    PTT.
PIN 6    EARTH PTT.
PIN 7    MIC EARTH.
PIN 8    AUDIO OUTPUT.
```

THE HEIL CONNECTION SYSTEM.

MORE INFORMATION FROM THE HEIL WEBSITE.

JCD-201M DESK MIC.

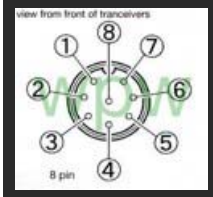
```
PIN1 (E) BRAID.
PIN2 (M) (MIC)   BROWN
PIN3 (P) (GROUND) WHITE
PIN4 (G) (PTT) GREEN
PIN5 (U) (UP) BLACK
PIN6 (D) (DOWN) YELLOW
PIN7 (C) (UP/DOWN EARTH) BLUE
PIN8 (B) (+5 - +9VOLTS DC) RED
```

JCD-201M PHOTO.

JRC.

JST-100 JST-100D JST-100S JST-110 JST-135 JST-145 JST-245.

```
PIN1        MIC UP
PIN2        NC
PIN3        MIC DOWN
PIN4        + 9 VOLTS
PIN5        PTT EARTH
PIN6        PTT
PIN7        MIC EARTH
PIN8        MIC
```



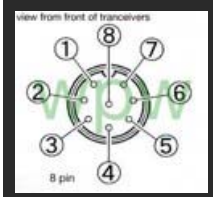
NVT-56 / 57 / 58 MICROPHONE INFO.

KACHINA.

KACHINA. 505DSP.

8 PIN ROUND PLUG.

```
PIN 1     GROUND.
PIN 2     MIC.
PIN 3     PTT.
PIN 4     SPEAKER.
PIN 5     N/C.
PIN 6     N/C.
PIN 7     N/C.
PIN 8     N/C.
```



(info AE5K)

KDK.

KDK. **FM-2016 FM-2025**

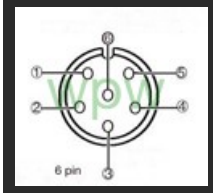
4 PIN ROUND PLUG.

```
PIN 1     PTT GROUND.
PIN 2     PTT.
PIN 3     MIC SCREEN.
PIN 4     MIC.
```

KDK. **FM-2030 FM-2033**

6 PIN ROUND PLUG.

```
PIN 1     UP/DOWN GROUND.
PIN 2     UP.
PIN 3     DOWN.
PIN 4     PTT.
PIN 5     MIC.
PIN 6     MIC SREEN/GROUND.
```



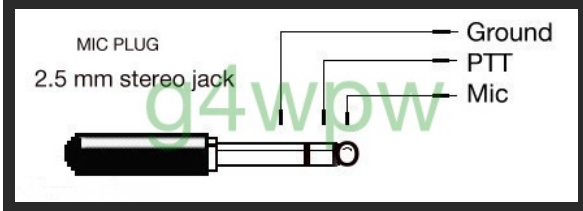
KDK DM-TT1 MICROPHONE

KDK TM-2 MICROPHONE

KDK DM-100 MICROPHONE

KW.

KW TRANSMITTERS /TRANCEIVERS **KW-1 KW-2000 KW-2000A KW-2000B KW-VESPA KW-VICEROY**



MFJ.

MFJ-8621. **DATA CONNECTIONS. Must be configured for 1200 baud operation.**

```
Note:This radio has un-squelched output.use "software DCD"
```

```
PIN1        AFSK In (yellow)
PIN2        GROUND/EARTH (black)
PIN3        PTT (red)
PIN4        AFSK Out (green)
```

MFJ-297 MFJ-299 MICROPHONES.

```
PIN1        MIC GROUND
PIN2        MIC
PIN3        PTT
PIN4        PTT GROUND
PIN5        UP
PIN6        DOWN
PIN7        COMMON UP/DOWN
PIN8        DC VOLTS.
```

MFJ-299 INSTRUCTION MANUAL WITH (ICOM,YAESU,KENWOOD,CONNECTION INFO.)

MFJ-434 VOICE KEYER INFO.pdf

DOWNLOAD MFJ PRODUCT MANUALS FREE.

MOTOROLA.

CM140-160-200-300-340-360 EM200-400 GM300-3188-3688.
M10-120-130-208-216-1255-1255LS-MaxTrac PM400-SM120-SM50.

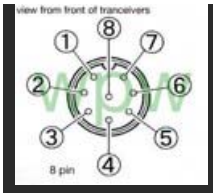
```
PIN1        N/C
PIN2        N/C
PIN3        GROUND (blue)
PIN4        GROUND (black)
PIN5        MIC (red)
PIN6        PTT (green)
PIN7        N/C (yellow)
PIN8        AUDIO (blue)
```

HMN-1035 MIC SCHEMATIC.pdf

NAVICO.

AMR-1000/S.

```
PIN1        MIC GROUND 0VOLTS
PIN2        PHONES
PIN3        CRADLE
PIN4        PTT
PIN5        MIC
PIN6        +12 VOLTS
PIN7        DOWN
PIN8        UP
```



NEC.

NEC. CQ110E

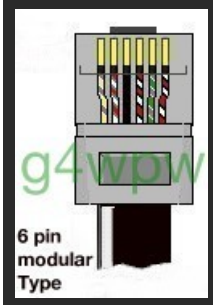
4 PIN ROUND PLUG.

```
PIN 1+4   ( INTERCONNECTED ) GROUND / MIC SREEN
PIN 2     PTT.
PIN 3     MIC.
```

RADIO SHACK.

RADIO SHACK. (Modular Connector)

```
Models HTX-212.HTX242.

PIN2       GROUND/EARTH (black)
green      EXTERNAL SPEAKER
PIN5       MIC (yellow)
PIN6       PTT (red)
```



RADIO SHACK- HTX-100 MICROPHONE INFO.

RADIO SHACK- HTX-242 MICROPHONE SCHEMATIC.

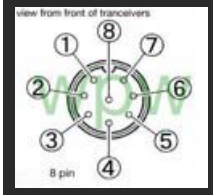
RADIO SHACK- HTX-252 MICROPHONE INFO.(pdf)

SGC.

SG-2020.

```
PIN 1     MIC.
```

```
PIN 2     PTT.
PIN 3     OPT 1.
PIN 4     OPT 2.
PIN 5     N/C.
PIN 6     RX AUDIO OUT.
PIN 7     MIC GROUND.
PIN 8     GROUND.
```



SOMMERKAMP

TS-280FM TS-480FM.

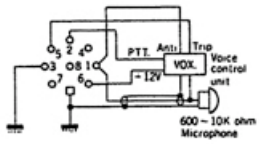
ACCESSORY JACK

The 8-pin DIN standard accessory jack has the following internal connections:

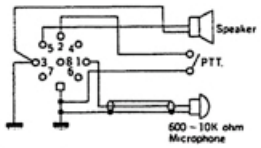
1. Microphone input (Z600-10K ohm)
2. Transmit/Receive switching
3. Ground (SP)
4. Audio output. (Z8-10K ohm)
5. Internal speaker.
6. +12V for VOX unit etc.
7. AF out for selective call.
8. EXT. Squelch.
   Case = ground

Always operate the transceiver with the microphone plug inserted in the microphone jack, or with the following external connections:

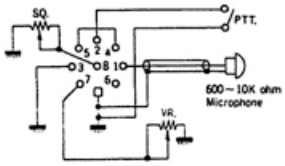
1. Microphone with VOX.



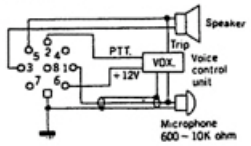
2. Headset or Telephoneset with PTT.



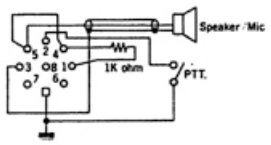
3. External microphone



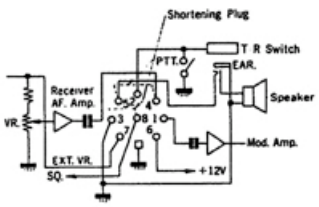
4. Headset or Telephoneset with VOX.



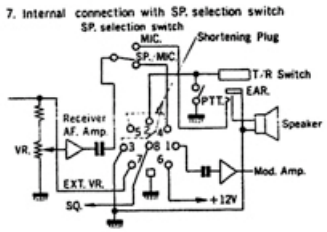
5. External microphone/Speaker with PTT.



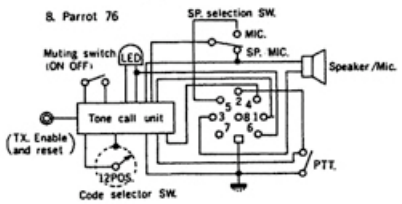
6. Internal connection



7. Internal connection with SP. selection switch



8. Parrot 76



SOMERKAMP

FT-307CBM (see YAESU FT-107)

FT-277ZD (see YAESU FT-101ZD)

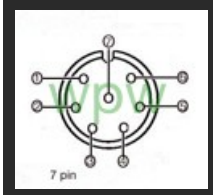
FT-767DX (see YAESU FT-707)

FT-7B (see YAESU FT-7)

STANDARD.

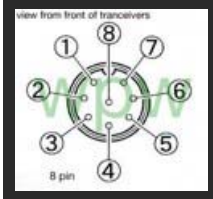
C58-C78-C88-C1100-C4100-C5800-C7800-C8800-C8900

```
PIN 1     MIC.
PIN 2     PTT.
PIN 3     SPEAKER.
PIN 4     COMMON (NOTE:+8VOLTS ON THIS CONNECTION.)
PIN 5     DOWN.
PIN 6     UP.
PIN 7     GROUND.

 Note.0.001uF capacitor is connected between pin 1 and pin 7
```



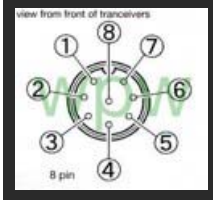
STANDARD.
C5000-C5200-C6000-C6000S

```
PIN 1     MIC.
PIN 2     PTT.
PIN 3     SPEAKER.
PIN 4     COMMON.
PIN 5     UP.
PIN 6     DOWN.
PIN 7     CALL.
PIN 8     GROUND.
```



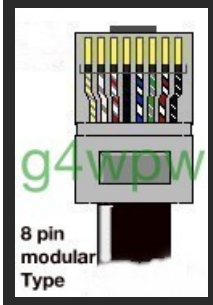
C5608

```
PIN 1     MIC.
PIN 2     PTT.
PIN 3     SPEAKER.
PIN 4     + 7.5 VOLTS.
PIN 5,6,7 MICROPROCESSOR INTERFACE PINS.
PIN 8     GROUND.
```



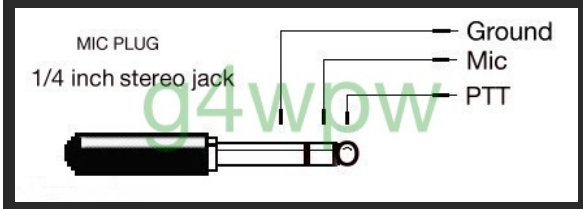
STANDARD.
C5900 (8 pin modular type plug.)

```
PIN 1
PIN 2
PIN 3
PIN 4     PTT.
PIN 5     GROUND.
PIN 6     MIC.
PIN 7
PIN 8
```



SWAN.

SWAN.100MX-120-100SS-140-175-200A-240-250C-350-400-500-500C-600T-700 SERIES-750.
ASTRO-102BX-103.CYGNET-270B-300B.



SHURE.

Shure- 444 schematic.

Shure- 522 schematic.

Shure- 527B schematic.

Shure- 550L schematic.

MORE SHURE MICROPHONE INFO.

TEN TEC.

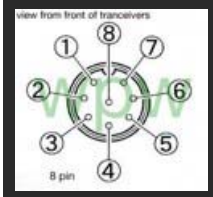
ORION / ARGONAUT / JUPITER.info and Schematic.

TEN-TEC ORION - ARGONAUT - JUPITER - OMNI VI - PARAGON - DELTA II - CORSAIR - SCOUT-555
4 PIN PLUG.

```
PIN1        MIC +
PIN2        MIC -
PIN3        PTT
PIN4        +9 VOLTS.
SHELL/CHASSIS=GROUND
```

TEN-TEC ORION II / OMNI VII.
8 PIN PLUG.

```
PIN1        N/C
PIN2        +10 VOLTS
PIN3        N/C
PIN4        N/C
PIN5        GROUND
PIN6        PTT
PIN7        MIC EARTH
PIN8        MIC
```



OMNI-VII microphone info and Schematic.

ORION-II microphone info and Schematic.

TEN-TEC 705 MICROPHONE pdf

TURNER.

TURNER- EXPANDER 500.schematic.

TURNER- EXPANDER 500 AMPLIFIER .schematic.

TURNER- M+2U - JM+2U.schematic.

TURNER- +3 AMPLIFIER.schematic.pdf

TURNER- SUPER SIDEKICK and +3 schematic.

TURNER- ROAD KING 56.schematic.

TURNER- RK60 / RK60J / PLUS+2 / M+3.schematic.

VIKING.(E.F.Johnson Co)

VIKING-II.

VIKING RANGER -RANGER II -VALIANT -VALIANT II -VIKING 500 -INVADER 2000 -VIKING PACEMAKER -INVADER .

Pin 1 MIC.
Pin 2 PTT.
PLUG CASE EARTH.

VIKING MESSENGER.
40-50-80-4170-4175
VIKING.230-260-270-430.

Pin 1 MIC.
Pin 2 PTT/COMMON GROUND.
Pin 3 RECEIVE.
Pin 4 N/C.
Pin 5 PTT.
Pin 6 MIC SHIELD.

VIKING MESSENGER.
124

Pin 1 MIC.
Pin 2 PTT/COMON GROUND.
Pin 3 PTT.
Pin 4 N/C.

VIKING MESSENGER.
130-130A-132

Pin 1 MIC.
Pin 2 N/C.
Pin 3 PTT GROUND.
Pin 4 MIC GROUND.
Pin 5 SHIELD /MIC GROUND.

VIKING MESSENGER.
250

Pin 1 MIC.
Pin 2 PTT/COMON GROUND.
Pin 3 RECEIVE.
Pin 4 N/C.
Pin 5 PTT.
CASE SHIELD.

VIKING MESSENGER.
4230

Pin 1 PTT.
Pin 2 N/C.
Pin 3 PTT.

Pin 4 MIC.
Pin 5 N/C.
CASE SHIELD/COMMON GROUND.

VIKING MESSENGER.
4250

Pin 1 N/C
Pin 2 MIC.
Pin 3 PTT.
Pin 4 PPT/COMON GROUND.
Pin 5 N/C.
Pin 6 MIC SHIELD.

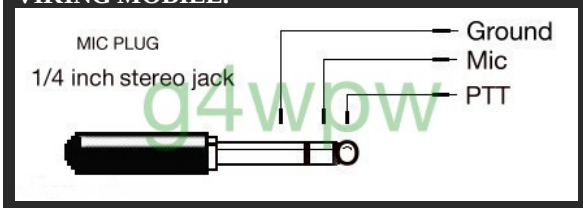
VIKING MESSENGER.
4730

Pin 1 PTT.
Pin 2 PTT.
CASE SHIELD/COMMON GROUND.

VIKING MESSENGER.
4740
VIKING 352-352D.

PIN 1 MIC.
PIN 2 PTT.
PIN 3 N/C.
PIN 4 N/C.
PIN 5 PTT/GROUND.
CASE SHIELD MIC GROUND.

VIKING MOBILE.



WATSON

Watson WM-308 (see Adonis AM-308 above)

AUDIO SECTION

IW5EDI CB MICROPHONE CONNECTIONS.

(The above information is consistently cross checked and updated)

last - update

08th-MAY-2010

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